



**FT PHARMASUITE - BUILDING BLOCKS
COMPATIBILITY MATRIX
FT PHARMASUITE RELEASE 11.01.00**

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Building Blocks - Compatibility Matrix

The matrices describe version compatibilities for FT PharmaSuite and Building Blocks.

COMPATIBILITY WITH FT PHARMASUITE VERSIONS

The compatibility with an FT PharmaSuite version applies to all subsequent Maintenance Releases of this FT PharmaSuite version.

Compatibility of Phase Revisions

For **new** phase building blocks, the compatibility information in the matrix applies to the indicated FT PharmaSuite version.

Always the highest maintenance release (MR) of the latest version of a phase building block has the **Qualified** status within the latest FT PharmaSuite version. All older building block versions that are marked as compatible are still supported for migrated FT PharmaSuite systems.

For **updated** phase building blocks, the following update variants need to be distinguished:

Maintenance Release (MR) of a phase building block

An MR phase building block can be installed in an existing environment. It **replaces** the existing phase revision and already available recipes and workflows will function as expected during execution, i.e. they do not need to be updated manually, the current recipe or workflow versions remain valid.

Prerequisite for MR revisions is a stable and compatible general logic and API of the phase building block. Typically, an MR revision is provided to correct a phase building block.

The MR revision number of a phase building block is provided by the **Internal maintenance version** attribute in phase manager (**mes_PhaseLibManager** form).

Extended Maintenance Release (MR+) of a phase building block

An MR+ revision of a phase building block is basically identical to an MR revision. However, the code may require a special handling when the MR+ revision is **deployed** in order to replace an existing phase revision (e.g. update of phase-specific DSX files for report designs or message packs).

MR+ revisions are marked with a plus in the matrix and come with specific installation instructions.

With respect to recipe and workflow authoring and execution, there is no difference to an MR revision as described above (once an MR+ revision has been installed successfully).

Minor or major revision of a phase building block

A minor or major revision of a phase building block is provided when either the phase's functionality has been changed (typically amended) or when code changes were required that render the new phase revision technically incompatible with the existing code (e.g. introduction of a new parameter).

Different minor or major revisions of a phase can **coexist** in an FT PharmaSuite installation, i.e. they do not replace existing revisions.

With respect to recipe and workflow authoring and execution, this means new minor or major revisions of a phase building block need to be explicitly built into new or updated recipes and workflows. For this purpose,

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either use the **Change request** function in Recipe and Workflow Designer or manually create new recipes and workflows.

We highly recommend to apply the latest phase building block revision.

EBR Package

	FT PharmaSuite							
	11.01 .00	11.00 .00	10.02 .00	10.01 .00	10.0 MR3	9.2	9.1	Backward compatible down to
Get Process Value (Master recipe, Workflow)								
■ 2.1 MR8+ (2.1.8.1) *9)	-	-	✓	✓	✓	✓	✓	8.3
Get Text Value (Master recipe, Workflow)								
■ 2.1 MR6 (2.1.6.6) *9)	-	-	✓	✓	✓	✓	✓	8.3
Show Document (Master recipe, Workflow)								
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
■ 2.0 MR7+ (2.0.7.4)	✓	✓	✓	✓	✓	✓	✓	7.0
Show Instruction Text (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 2.0 MR7 (2.0.7.2) *5)	✓	✓	✓	✓	✓	✓	✓	8.0
Get Choice Value (Master recipe, Workflow)								
■ 1.0 MR8+ (1.0.8.2) *5) *9)	-	-	✓	✓	✓	✓	✓	9.0 MR1
Upload Image (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 MR9 (1.0.9.5) *12)	✓	✓	✓	✓	✓	✓	✓	8.4
Upload PDF (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 MR11+ (1.0.11.2) *12)	✓	✓	✓	✓	✓	✓	✓	8.4
Show URL (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 MR5+ (1.0.5.5) *12)	✓	✓	✓	✓	✓	✓	✓	7.0

Building Blocks - Compatibility Matrix

Create Workflow (Master recipe, Workflow)									
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 1.0 MR1+ (1.0.1.3)	✓	✓	✓	✓	✓	✓	-	9.2 MR3	
Write Context Data (Master recipe, Workflow)									
■ 11.0 MR1+ (11.0.1.1)	✓	✓	-	-	-	-	-	11.00.00	
■ 1.0 MR3+ (1.0.3.1)	✓	✓	✓	✓	✓	✓	-	9.2 MR3	
Send User Notification (Master recipe, Workflow)									
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 1.0 (1.0.0.9)	✓	✓	✓	-	-	-	-	10.02.00	
Identify Material (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 MR1 (11.0.1.1)	✓	✓	-	-	-	-	-	11.00.00	
■ 7.1 MR2 (7.1.2.1)	✓	✓	✓	✓	-	-	-	11.01.00	
■ 7.0 MR2 (7.0.2.1)	✓	✓	✓	✓	✓	✓	-	9.2 MR3	
■ 6.0 MR2 (6.0.2.3)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1 *8)	
■ 5.0 MR5 (5.0.5.2)	-	-	-	-	✓	✓	✓	8.4 *8)	
Produce Material (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 7.1 (7.1.0.9)	✓	✓	✓	✓	-	-	-	10.01.00	
■ 7.0 (7.0.0.12)	✓	✓	✓	✓	✓	✓	-	9.2 MR3	
■ 6.1 MR3+ (6.1.3.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 6.0 MR2 (6.0.2.4)	-	-	✓	✓	✓	✓	✓	8.4	
Account Material (Master recipe)									
■ 11.0 MR1 (11.0.1.2)	✓	✓	-	-	-	-	-	11.00.00	
■ 7.1 (7.1.0.9)	✓	✓	✓	✓	-	-	-	10.01.00	
■ 7.0 (7.0.0.12)	✓	✓	✓	✓	✓	✓	-	9.2 MR3	
■ 6.0 MR1 (6.0.1.4)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1 *8)	
■ 5.1 MR1 (5.1.1.2)	-	-	✓	✓	✓	✓	✓	8.4 *8)	

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Dispense Package

	FT PharmaSuite								Backward compatible down to
	11.01 .00	11.00 .00	10.02 .00	10.01 .00	10.0 MR3	9.2	9.1		
D Identify Material (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0	
■ 6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4	
D Select Scale (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0	
■ 6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4	
D Tare (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0	
■ 6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4	
D Weigh (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0	
■ 6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4	
D Release Scale (Master recipe)									
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00	
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00	
■ 6.1 MR3 (6.1.3.2)	✓	✓	✓	✓	✓	-	-	10.0	
■ 6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1	
■ 5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4	

Building Blocks - Compatibility Matrix

D Print Report (Master recipe)	11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	6.1 MR2 (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0
	6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1
	5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4
D Define Order (Workflow)	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	2.0 MR3+ (2.0.3.1)	✓	✓	✓	✓	✓	✓	✓	8.4
D Edit BOM (Workflow)	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	2.0 MR3 (2.0.3.1)	✓	✓	✓	✓	✓	✓	✓	8.4
D Dispatch Order (Workflow)	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	2.0 MR2 (2.0.2.6)	✓	✓	✓	✓	✓	✓	✓	8.4
D Release Order (Workflow)	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	2.0 MR2 (2.0.2.6)	✓	✓	✓	✓	✓	✓	✓	8.4
O Manage Produced Material (Master recipe)	11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
	11.0 MR1 (11.0.1.1)	✓	✓	-	-	-	-	-	11.00.00
	6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0
	6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1
	5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4
O Select Scale (Master recipe)	11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
	11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
	6.1 MR2+ (6.1.2.4)	✓	✓	✓	✓	✓	-	-	10.0
	6.0 MR5 (6.0.5.2)	✓	✓	✓	✓	✓	✓	✓	9.0 MR1
	5.2 MR1 (5.2.1.2)	-	-	-	-	✓	✓	✓	8.4

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O Identify Container (Master recipe)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 (11.0.0.12)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR3 (6.1.3.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 6.0 MR5 (6.0.5.2)	- - - - ✓ ✓ ✓ ✓ 8.4
O Tare (Master recipe)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 (11.0.0.12)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR2 (6.1.2.4)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 6.0 MR5 (6.0.5.2)	- - - - ✓ ✓ ✓ ✓ 8.4
O Weigh (Master recipe)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 MR1 (11.0.1.1)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR2+ (6.1.2.4)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 6.0 MR5 (6.0.5.2)	- - - - ✓ ✓ ✓ ✓ 8.4
O Release Scale (Master recipe)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 (11.0.0.12)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR2+ (6.1.2.4)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 5.2 MR1 (5.2.1.2)	- - ✓ ✓ ✓ ✓ ✓ ✓ 8.4
Get Weight (Master recipe, Workflow)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 (11.0.0.12)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR4+ (6.1.4.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 6.0 MR5 (6.0.5.2)	- - - - ✓ ✓ ✓ ✓ 8.4
Show GHS Data (Master recipe, Workflow)	✓ - - - - - - - 11.01.00
■ 11.1 (11.1.0.9)	✓ ✓ - - - - - - 11.00.00
■ 11.0 (11.0.0.12)	✓ ✓ ✓ ✓ ✓ - - - 10.0
■ 6.1 MR2+ (6.1.2.4)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
■ 5.2 MR1 (5.2.1.2)	- - - - ✓ ✓ ✓ ✓ 8.4

Building Blocks - Compatibility Matrix

Load Logistic Unit (Master recipe, Workflow)		✓	-	-	-	-	-	11.01.00
■ 11.1 (11.1.0.9)		✓	-	✓	✓	✓	-	10.0
■ 6.1 MR3+ (6.1.3.3)		✓	-	✓	✓	✓	✓	9.0 MR1
■ 6.0 MR5 (6.0.5.2)		✓	-	✓	✓	✓	✓	9.0 MR1

Equipment Tracking Package

	FT PharmaSuite							
	11.01 .00	11.00 .00	10.02 .00	10.01 .00	10.0	9.2 MR3	9.1	Backward compatible down to
Identify Equipment (Master recipe, Workflow)								
■ 11.0 MR1 (11.0.1.1)	✓	✓	-	-	-	-	-	11.00.00
■ 2.1 MR1+ (2.1.1.2)	✓	✓	✓	✓	✓	-	-	10.0
■ 2.0 MR2 (2.0.2.9) *5)	✓	✓	✓	✓	✓	✓	✓	8.3
Change Equipment Status (Master recipe, Workflow)								
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
■ 1.0 MR5+ (1.0.5.1)	✓	✓	✓	✓	✓	✓	✓	8.1
Trigger Graph Transition (Master recipe, Workflow)								
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	11.01.00
■ 2.0 MR3 (2.0.3.1) *5)	✓	✓	✓	✓	✓	✓	✓	8.2
Unbind Equipment (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 2.0 MR2+ (2.0.2.1) *5)	✓	✓	✓	✓	✓	✓	✓	8.3
Separate Equipment (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 (1.0.0.6)	✓	✓	✓	✓	✓	✓	✓	8.2

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Show Equipment List (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 MR3 (1.0.3.1)	✓	✓	✓	✓	✓	✓	-	9.2 MR3
■ 1.0 (1.0.0.8)	-	-	-	-	-	-	✓	9.1
Generate Template-based Equipment (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 (1.0.0.12)	✓	✓	✓	✓	✓	-	-	10.0

Equipment Automation Package

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IPC Package

	FT PharmaSuite							
	11.01 .00	11.00 .00	10.02 .00	10.01 .00	10.0 MR3	9.2	9.1	Backward compatible down to
Get Values (Master recipe, Workflow)								
■ 11.0 MR1 (11.0.1.2)	✓	✓	-	-	-	-	-	11.00.00
■ 2.1 MR4+ (2.1.4.3) *10) *11)	✓	✓	✓	✓	✓	-	-	10.0
■ 2.0 MR4 (2.0.4.1) *10)	✓	✓	✓	✓	✓	✓	-	9.2 MR3
■ 1.0 MR6+ (1.0.6.1)	-	-	✓	✓	✓	✓	✓	8.4
Show Values (Master recipe, Workflow)								
■ 11.0 (11.0.0.12)	✓	✓	-	-	-	-	-	11.00.00
■ 2.1 MR1+ (2.1.1.3) *11)	✓	✓	✓	✓	✓	-	-	10.0
■ 1.0 MR7 (1.0.7.3)	-	-	✓	✓	✓	✓	✓	8.4
Time-based Trigger (Master recipe, Workflow)								
■ 1.1 (1.1.0.8)	✓	✓	✓	✓	-	-	-	10.01.00
■ 1.0 MR5 (1.0.5.6)	✓	✓	✓	✓	✓	✓	✓	8.4
Counter-based Trigger (Master recipe, Workflow)								
■ 1.0 MR7 (1.0.7.2)	✓	✓	✓	✓	✓	✓	✓	8.4

DCS Package *3)

	FT PharmaSuite							
	11.01 .00	11.00 .00	10.02 .00	10.01 .00	10.0 MR3	9.2	9.1	Backward compatible down to
Create DCS Batch (Master recipe, Workflow)								
■ 11.0 MR1+ (11.0.1.2)	✓	✓	-	-	-	-	-	11.00.00
■ 1.0 MR2+ (1.0.2.3)	✓	✓	✓	✓	✓	✓	✓	8.4
Get DCS Batch Values (Master recipe, Workflow)								
■ 1.0 MR3 (1.0 3.1)	-	-	✓	✓	✓	✓	✓	8.3

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Get DCS Alarms (Master recipe, Workflow)	✓ ✓ - - - - - 11.00.00 ✓ ✓ ✓ - - - - 11.02.00 ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓*1) 8.2 MR1 *1)
DCS Alarm-based Trigger (Master recipe, Workflow)	
■ 11.0 MR1 (11.0.1.1)	✓ ✓ - - - - - 11.00.00
■ 1.0 MR4+ (1.0.4.3)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 8.4
Set Order Context (Master recipe)	
■ 11.1 (11.1.0.9)	✓ - - - - - - - 11.01.00
■ 1.0 MR1+ (1.0.1.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 8.4
Show Consumed Material (Master recipe)	
■ 11.1 (11.1.0.9)	✓ - - - - - - - 11.01.00
■ 1.0 MR4 (1.0.4.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1
■ 1.0 (1.0.0.8)	- - - - - - - - 8.4
Show Produced Material (Master recipe)	
■ 11.0 MR1+ (11.0.1.1)	✓ ✓ - - - - - - 11.00.00
■ 1.0 MR2+ (1.0.2.2)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1
■ 1.0 (1.0.0.8)	- - - - - - - - 8.4
Wait for Event (OES) (Master recipe)	
■ 11.0 MR1+ (11.0.1.1)	✓ ✓ - - - - - - 11.00.00
■ 2.0 MR2+ (2.0.2.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1
■ 1.0 (1.0.0.9)	- - ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
Wait for Event (Master recipe)	
■ 11.0 MR1+ (11.0.1.1)	✓ ✓ - - - - - - 11.00.00
■ 2.0 MR2+ (2.0.2.2)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1
■ 1.0 (1.0.0.9)	- - ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
Send Event (Master recipe)	
■ 11.0 MR1+ (11.0.1.1)	✓ ✓ - - - - - - 11.00.00
■ 2.0 MR2+ (2.0.2.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1
■ 1.0 (1.0.0.9)	- - ✓ ✓ ✓ ✓ ✓ ✓ 9.0 MR1
Get DCS Parameters (Master recipe, Workflow)	
■ 11.1 (11.1.0.9)	✓ - - - - - - - 11.01.00
■ 1.1 MR3 (1.1.3.1)	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 9.1

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Set DCS Parameters (Master recipe, Workflow)														11.01.00
■ 11.1 (11.1.0.9)	✓	-	-	-	-	-	-	-	-	-	-	-	-	
■ 1.1 MR3 (1.1.3.3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9.1

Legend

x.x	The revision and build numbers of newly released phase building blocks are formatted dark red .
*1)	The phase building block requires an update in order to be compatible with the FT PharmaSuite release. Please contact the Rockwell Automation Support.
*3)	The 11.1 versions of the DCS phase building blocks of FT PharmaSuite 11.01.00 and all DCS phase building blocks of FT PharmaSuite 10.01.00, 10.02.00, and 11.00.00 are compatible with the DCS Adapter V11.00.01. The phase building blocks of PharmaSuite 10.01.00 are compatible with the DCS Adapter V2.5 The phase building blocks of PharmaSuite 9.2 and PharmaSuite 10.0 are compatible with the DCS Adapter V2.4. The phase building blocks of PharmaSuite 9.1 are compatible with the DCS Adapter V2.3. The phase building blocks of PharmaSuite 9.0 MR1 are compatible with the DCS Adapter V2.2. The phase building blocks of PharmaSuite 8.4 are compatible with the DCS Adapter V2.1.
*5)	The phase building blocks are also available in the Dispense package. For details, see "Content of FT PharmaSuite 11.01.00 Building Block Packages" (page 12).
*6)	The phase building block does not support packaging levels (introduced with PS 8.4).
*8)	The phase building block requires an update in order to be compatible with the FT PharmaSuite release. For details, see knowledge base article #6464 (http://rockwellsoftware.custhelp.com/app/answers/detail/a_id/6464/kw/6464).
*9)	The phase building blocks is discontinued with FT PharmaSuite 11.00.00. They are still supported, however new features will no longer be integrated. Starting with PharmaSuite 9.2, we have recommended to start replacing the phase building block by the Get Values phase building block.
*10)	The phase building blocks are also available in the EBR package. For details, see "Content of PharmaSuite 11.01.00 Building Block Packages" (page 12).
*11)	The Show Values 2.1 and Get Values 2.1 phase building blocks must be updated all together.
*12)	The Upload Image 1.0 MR9, Upload PDF 1.0 MR11, and Show URL 1.0 MR5 phase building blocks must be updated all together.

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For installation guidance, refer to "Technical Guide Installation - Building Blocks" included with the corresponding building block package.

The building block build number is provided by the **Internal maintenance version** attribute in phase manager (**mes_PhaseLibManager** form).

The **Hidden Phase (RS) [1.0]** and **Server-run Hidden Phase (RS) [1.0]** phases are not part of any building block package. They are part of the FT PharmaSuite core system and thus compatible with the FT PharmaSuite release with which they have been installed or updated.

Content of FT PharmaSuite 11.01.00 Building Block Packages

The following tables show the FT PharmaSuite Building Block packages, their versions, and the content of the current release.

EBR Package: 19.01.00

Show Document: 11.1	Show Instruction Text: 11.0
Show URL: 11.0	Upload Image: 11.0
Upload PDF: 11.0	Send User Notification: 11.0
Create Workflow: 11.0	Write Context Data: 11.0 MR1+
Identify Material: 11.1	Produce Material: 11.1
Account Material: 11.0 MR1	Get Values: 11.0 MR1

EBR Package: 18.02.00

Show Document: 2.0 MR7+	Show Instruction Text: 11.0
Show URL: 11.0	Upload Image: 11.0
Upload PDF: 11.0	Send User Notification: 11.0
Create Workflow: 11.0	Write Context Data: 11.0 MR1+
Identify Material: 11.0 MR1	Produce Material: 11.0
Account Material: 11.0 MR1	Get Values: 11.0 MR1

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EBR Package: 17.03.00

Get Process Value: 2.1 MR8+	Get Text Value: 2.1 MR6
Show Document: 2.0 MR7+	Show Instruction Text: 2.0 MR7
Get Choice Value: 1.0 MR8+	Upload Image: 1.0 MR9
Upload PDF: 1.0 MR11+	Show URL: 1.0 MR5+
Create Workflow: 1.0 MR1+	Write Context Data: 1.0 MR3+
Identify Material: 7.1 MR2	Produce Material: 7.1
Account Material: 7.1	Get Values: 2.1 MR4+
Send User Notification: 1.0	

Dispense Package: 16.01.00

D Identify Material: 11.1	D Select Scale: 11.1
D Tare: 11.1	D Weigh: 11.1
D Release Scale: 11.1	D Print Report: 11.1
D Define Order: 11.0	D Edit BOM: 11.0
D Dispatch Order: 11.0	D Release Order: 11.0
O Manage Produced Material: 11.1	O Select Scale: 11.1
O Identify Container: 11.1	O Tare: 11.1
O Weigh: 11.1	O Release Scale: 11.1
Get Weight 11.1	Show GHS Data: 11.1
Show Instruction Text: 11.0	Identify Equipment: 11.0 MR1
Trigger Graph Transition: 11.1	Unbind Equipment: 11.0
Get Values: 11.0 MR1	Load Logistic Unit 11.1

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Dispense Package: 15.02.00

D Identify Material: 11.0	D Select Scale: 11.0
D Tare: 11.0	D Weigh: 11.0
D Release Scale: 11.0	D Print Report: 11.0
D Define Order: 11.0	D Edit BOM: 11.0
D Dispatch Order: 11.0	D Release Order: 11.0
O Manage Produced Material: 11.0 MR1	O Select Scale: 11.0
O Identify Container: 11.0	O Tare: 11.0
O Weigh: 11.0 MR1	O Release Scale: 11.0
Get Weight 11.0	Show GHS Data: 11.0
Show Instruction Text: 11.0	Identify Equipment: 11.0 MR1
Trigger Graph Transition: 2.0 MR3	Unbind Equipment: 11.0
Get Values: 11.0 MR1	

Dispense Package: 14.05.00

D Identify Material: 6.1 MR2+	D Select Scale: 6.1 MR2+
D Tare: 6.1 MR2+	D Weigh: 6.1 MR2+
D Release Scale: 6.1 MR3	D Print Report: 6.1 MR2+
D Define Order: 2.0 MR3+	D Edit BOM: 2.0 MR3
D Dispatch Order: 2.0 MR2	D Release Order: 2.0 MR2
O Manage Produced Material: 6.1 MR2+	O Select Scale: 6.1 MR2+
O Identify Container: 6.1 MR3	O Tare: 6.1 MR2+
O Weigh: 6.1 MR2+	O Release Scale: 6.1 MR2+
Get Weight 6.1 MR4+	Show GHS Data: 6.1 MR2+
Load Logistic Unit: 6.1 MR3+	Get Choice Value: 1.0 MR8+
Show Instruction Text: 2.0 MR7	Identify Equipment: 2.1 MR1+
Trigger Graph Transition: 2.0 MR3	Unbind Equipment: 2.0 MR2+

Building Blocks - Compatibility Matrix

Equipment Tracking Package: 15.01.00

Identify Equipment: 11.0 MR1	Change Equipment Status: 11.1
Trigger Graph Transition: 11.1	Unbind Equipment: 11.0
Separate Equipment: 11.0	Show Equipment List: 11.0
Generate Template-based Equipment: 11.0	

Equipment Tracking Package: 14.02.00

Identify Equipment: 11.0 MR1	Change Equipment Status: 1.0 MR5+
Trigger Graph Transition: 2.0 MR3	Unbind Equipment: 11.0
Separate Equipment: 11.0	Show Equipment List: 11.0
Generate Template-based Equipment: 11.0	

Equipment Automation Package: 14.01.00

Get OPC Values: 11.1	Set OPC Values: 11.1
Monitor Numeric Value: 11.0	Get Alarms: 11.0
Show Historical Data Chart: 11.1	

IPC Package: 10.02.00

Get Values: 11.0 MR1	Show Values: 11.0
Time-based Trigger: 1.1	Counter-based Trigger: 1.0 MR7

IPC Package: 9.04.00

Get Values: 2.1 MR4+	Show Values: 2.1 MR1+
Time-based Trigger: 1.1	Counter-based Trigger: 1.0 MR7

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IPC Package: 7.04.00

Get Values: 2.0 MR4	Show Values: 1.0 MR7
Time-based Trigger: 1.0 MR5	Counter-based Trigger: 1.0 MR7

DCS Package: 11.01.00

Create DCS Batch: 11.0 MR1+	Get DCS Alarms: 11.0
DCS Alarm-based Trigger: 11.0 MR1	Set Order Context: 11.1
Show Produced Material: 11.0 MR1+	Show Consumed Material: 11.1
Wait for Event (OES): 11.0 MR1+	Wait for Event: 11.0 MR1+
Send Event: 11.0 MR1+	Set DCS Parameters: 11.1
Get DCS Parameters 11.1	

DCS Package: 10.02.00

Create DCS Batch: 11.0 MR1+	Get DCS Alarms: 11.0
DCS Alarm-based Trigger: 11.0 MR1	Set Order Context: 1.0 MR1+
Show Produced Material: 11.0 MR1+	Show Consumed Material: 1.0 MR4
Wait for Event (OES): 11.0 MR1+	Wait for Event: 11.0 MR1+
Send Event: 11.0 MR1+	Set DCS Parameters: 1.1 MR3
Get DCS Parameters 1.1 MR3	